AMENDMENTS

In the Specification

Beginning on page 1 at line 20, immediately preceding the heading entitled "FIELD OF THE INVENTION," please insert the following new paragraph:

SUBMISSION ON COMPACT DISC

The content of the following submission on compact discs is incorporated herein by reference in its entirety: A computer readable form (CRF) of the Sequence Listing on compact disc (file name: 511582002420, date recorded: March 28, 2006, size: 583,680 bytes); a duplicate compact disc copy of the Sequence Listing (COPY 1) (file name: 511582002420, date recorded: March 28, 2006, size: 583,680 bytes); and a duplicate compact disc copy of the Sequence Listing (COPY 2) (file name: 511582002420, date recorded: March 28, 2006, size: 583,680 bytes).

Please replace Table IV, beginning on page 117 and bridging to page 122, with the following amended Table IV:

TABLE IV (A):

SUPERMOTIFS	POSITION	POSITION	POSITION
	2 (Primary Anchor)	3 (Primary Anchor)	C Terminus (Primary Anchor)
A1	TIL*VMS* (SEQ ID NO:2893)		FWY
A2	LIVMA*TQ*(SEQ ID NO:2894)		IV*MATL* (SEQ ID NO:2895)
A3	VSMA*TLI* (SEQ ID NO:2896)		RK
A24	YF*WIVLMT*(SEQ ID NO:2897)		FI*YWLM* (SEQ ID NO:2898)
B7	P		VILF*MWYA*(SEQ ID NO:2899)
B27	RHK		FYL*WMIVA*(SEQ ID NO:2900)
B44	E*D*		FWYLIMVA (SEQ ID NO:2901)
B58	ATS		FWY*LIVMA*(SEQ ID NO:2902)
B62	QL*IVMP* (SEQ ID NO:2903)		FWYMIVLA (SEQ ID NO:2904)
MOTIFS			
A1	TSM		Y
A1		DE*AS* (SEQ ID NO:2905)	Y
A2.1	LM*VQIAT* (SEQ ID NO:2906)		V*LIMAT* (SEQ ID NO:2907)
A3	LMVISATF*CGD* (SEQ ID NO:2908)		KYR*HFA* (SEQ ID NO:2909)
A11	VTMLISAGN*CDF* (SEQ ID NO:2910)		K*RYH* (SEQ ID NO:2911)
A24	YFW*M* (SEQ ID NO:2912)		FLIW (SEQ ID NO:2913)
A*3101	MVT*ALIS* (SEQ ID NO:2914)		R*K*
A*3301	MVALF*IST*(SEQ ID NO: 2915)		RK
A*6801	AVT*MSLI* (SEQ ID NO: 2916)		RK
B*0702	P		LMF*WYAIV* (SEQ ID NO: 2917)
B*3501	P		LMFWY*IVA* (SEQ ID NO: 2918)
B51	P		LIVF*WYAM* (SEQ ID NO: 2919)
B*5301	P		IMFWY*ALV* (SEQ ID NO: 2920)
B*5401	P		ATIV*LMFWY* (SEQ ID NO: 2921)

Bolded residues are preferred, italicized residues are less preferred: A peptide is considered motif-bearing if it has primary anchors at each primary anchor position for a motif or supermotif as specified in the above table.

TABLE IV (B): HLA CLASS II SUPERMOTIF

1	6	9
W, F, Y, V, .I, L	A, V, I, L, P, C, S, T	A, V, I, L, C, S, T, M, Y

TABLE IV (C):

MOTIFS		1° anchor 1	2	3	4	5	1° anchor 6	7	8	9
DR4	preferred	FMY*LIVW* (SEQ ID NO: 2922)	M	T		I	VST*CPALIM* (SEQ ID NO: 2923)	MH		MH
	deleterious				W			R		WDE
DR1	preferred	MF*LIVWY* (SEQ ID NO: 2924)			PAMQ (SEQ ID NO: 2925)		VMAT*SPLIC* (SEQ ID NO: 2926)	M		AVM
	deleterious		C	CH	FD	CWD		GDE	D	
DR7	preferred	MF*LIVWY* (SEQ ID NO: 2924)	M	W	A		IVMSAC*TPL*	M		IV
	deleterious		C		G		(SEQ ID NO: 2927)	GRD	N	G

MOTIFS		1° anchor 1	2	3	1° anchor 4	5	1° anchor 6
motif a preferred		LIVMFY (SEQ ID NO: 2928)			D		
motif b preferred		LIVMFAY (SEQ ID NO: 2929)			DNQEST (SEQ ID NO: 2930)		KRH
DR Supermotif		MF*LIVWY* (SEQ ID NO: 2924)					VMSTAC*PLI* (SEQ ID NO: 2931)

Italicized residues indicate less preferred or "tolerated" residues

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TABLE IV (D):

POSITION

SUPER-MOTIFS		1	2	3	4	5	6	7	8	C-terminus
A1			1° Anchor TIL*VMS* (SEQ ID NO: 2893)								1° Anchor FWY
A2			1° Anchor LIVMAT*Q* (SEQ ID NO:2894)								1° Anchor LIVMAT (SEQ ID NO: 2932)
A3	preferred		1° Anchor VSMAT*LI* (SEQ ID NO:2896)	YFW (4/5)			YFW (3/5)	YFW (4/5)	P (4/5)	1° Anchor RK
	deleterious	DE (3/5); P (5/5)		DE (4/5)						
A24			1° Anchor YF*WIVLMT* (SEQ ID NO:2897)								1° Anchor FIY*WLM* (SEQ ID NO:2933)
B7	preferred	FWY (5/5) LIVM (3/5) (SEQ ID NO:2934)	1° Anchor P	FWY (4/5)					FWY (3/5)	1° Anchor VILF*MWY*A (SEQ ID NO:2899)
	deleterious	DE (3/5); P(5/5); G(4/5); A(3/5); QN(3/5)				DE (3/5)	G (4/5)	QN (4/5)	DE (4/5)	
B27			1° Anchor RHK								1°Anchor FYL*WMIV*A (SEQ ID NO:2900)
B44			1° Anchor E*D*								1°Anchor FWYLIMVA (SEQ ID NO:2901)
B58			1° Anchor ATS								1° Anchor FWY*LIVM*A (SEQ ID NO:2902)
B62			1° Anchor Q*LIVM*P (SEQ ID NO:2903)								1° Anchor FWY*MIVL*A (SEQ ID NO:2904)

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TABLE IV (E):

	1	2	3	4	5	6	7	8	9 (C-terminus or C-terminus 1°Anchor Y)	C-terminus
A1 9-mer preferred	GFYW (SEQ ID NO:2935) DE	1°Anchor STM	DEA	YFW		P	DEQN (SEQ ID NO: 2936)	YFW	1°Anchor Y	
deleterious			RHKLIVMP (SEQ ID NO:2976)	A	G	A				
A1 9-mer preferred	GRHK (SEQ ID NO:2937)	ASTCLIVM (SEQ ID NO:2938)	1°Anchor DEAS	GSTC (SEQ ID NO:2939)		ASTC (SEQ ID NO:2940)	LIVM (SEQ ID NO:2934)	DE	1°Anchor Y	
deleterious	A	RHKDEPYFW (SEQ ID NO:2947)	(SEQ ID NO:2905)	DE	PQN	RHK	PG	GP		
A1 10-mer preferred	YFW	1°Anchor STM	DEAQN (SEQ ID NO:2941)	A	YFWQN (SEQ ID NO:2942)		PASTC (SEQ ID NO:2943)	GDE	P	1°Anchor Y
deleterious	GP		RHKGLIVM (SEQ ID NO:2944)	DE	RHK	QNA	RHKYFW (SEQ ID NO:2945)	RHK	A	
A1 10-mer preferred	YFW	STCLIVM (SEQ ID NO:2946)	1°Anchor DEAS (SEQ ID NO:2905)	A	YFW		PG	G	YFW	1°Anchor Y
deleterious	RHK	RHKDEPYFW (SEQ ID NO:2947)			P	G	PG	PRHK (SEQ ID NO:2948)	QN	
A2.1 9-mer preferred	YFW	1°Anchor LMIVQAT (SEQ ID NO:2949)	YFW	STC	YFW		A	P	1°Anchor VLIMAT (SEQ ID NO:2907)	
deleterious	DEP		DERKH (SEQ ID NO:2950)			RKH	DERKH (SEQ ID NO:2950)			

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TABLE IV (E): continued

	1	2	3	4	5	6	7	8	9	C-Terminus
A2.1 10-mer preferred	AYFW (SEQ ID NO:2959)	1°Anchor LMIVQAT (SEQ ID NO:2949)	LVIM (SEQ ID NO:2977)	G		G		FYWL VIM (SEQ ID NO:2951)		1°Anchor VLIMAT (SEQ ID NO:2907)
deleterious	DEP		DE	RKHA (SEQ ID NO:2952)	P		RKH	DERKH (SEQ ID NO:2950)	RKH	
A3 preferred	RHK	1°Anchor LMVISATFCGD (SEQ ID NO:2953)	YFW	PRHKYFW (SEQ ID NO:2954)	A	YFW		P	1°Anchor KYRHFA (SEQ ID NO:2909)	
deleterious	DEP		DE							
A11 preferred	A	1°Anchor VTLMISAGNCDF (SEQ ID NO:2955)	YFW	YFW	A	YFW	YFW	P	1°Anchor KRYH (SEQ ID NO:2911)	
deleterious	DEP									
A24 9-mer preferred	YFWRHK (SEQ ID NO:2956)	1°Anchor YFWM (SEQ ID NO:2912)		STC			A	G	1°Anchor FLIW (SEQ ID NO:2913)	
deleterious	DEG		DE	G	QNP	DERHK (SEQ ID NO:2957)	G	AQN		
A24 10-mer preferred		1°Anchor YFWM (SEQ ID NO:2912)		P	YFWP (SEQ ID NO:2963)		P			1°Anchor FLIW (SEQ ID NO:2913)
deleterious			GDE	QN	RHK	DE	A	QN	DEA	
A3101 preferred	RHK	1°Anchor MVTALIS (SEQ ID NO:2914)	YFW	P		YFW	YFW	AP	1°Anchor RK	
deleterious	DEP		DE		ADE	DE	DE	DE		
A3301 preferred		1°Anchor MVALFIST (SEQ ID NO:2915)	YFW				AYFW (SEQ ID NO:2959)		1°Anchor RK	
deleterious	GP		DE							

TABLE IV (E): continued

		1	2	3	4	5	6	7	8	9	C-Terminus
A6801	preferred	YFWSTC (SEQ ID NO:2960)	1°Anchor AVTMSLI (SEQ ID NO:2916)			YFWLIVM (SEQ ID NO:2961)		YFW	P	1°Anchor RK	
	deleterious	GP		DEG		RHK			A		
B0702	preferred	RHKFW Y (SEQ ID NO:2962)	1°Anchor P	RHK		RHK	RHK	RHK	PA	1°Anchor LMF*WYAIV* (SEQ ID NO:2917)	
	deleterious	DEQNP (SEQ ID NO:2963)		DEP	DE	DE	GDE	QN	DE		
B3501	preferred	FWYLIV M (SEQ ID NO:2964)	1°Anchor P	FWY				FWY		1°Anchor LMFWY*IVA* (SEQ ID NO:2918)	
	deleterious	AGP									
B51	preferred	LIVMFW Y (SEQ ID NO:2965)	1°Anchor P	FWY	STC	G	G	G	FWY	1°Anchor LIVF*WYAM* (SEQ ID NO:2919)	
	deleterious	AGPDER HKSTC (SEQ ID NO:2966)				DE	G	DEQN (SEQ ID NO:2936)	GDE		
B5301	preferred	LIVMFW Y (SEQ ID NO:2966)	1°Anchor P	FWY	STC	FWY		LIVMFWY (SEQ ID NO: 2965)	FWY	1°Anchor IMFWY*AL V* (SEQ ID NO:2967)	
	deleterious	AGPQN (SEQ ID NO:2968)					G	RHKQN (SEQ ID NO: 2969)	DE		
B5401	preferred	FWY	1°Anchor P	FWYLIV M (SEQ ID NO:2964)		LIVM (SEQ ID NO: 2934)		ALIVM (SEQ ID NO:2970)	FWYAP (SEQ ID NO: 2971)	1°Anchor ATIV*LMF WY* (SEQ ID NO:2921)	
	deleterious	GPQNDE (SEQ ID NO:2972)		GDESTC (SEQ ID NO:2973)		RHKDE (SEQ ID NO:2974)	DE	QNDGE (SEQ ID NO:2975)	DE		

Italicized residues indicate less preferred or "tolerated" residues.   The information in this Table is specific for 9-mers unless otherwise specified.

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